

BULLETIN

Date:	May 27, 2020	Number: CT-01 a	Project #: 18191
Project Name:	Westridge TH North		Attached: CT-01.1-4

Subject: Property Line Retaining**Description/Action:**

This bulletin provides design clarifications and/or variation requests for the 'The Westridge TH North' project located in Issaquah, Washington.

The retaining wall detail sent out on Jan 16, 2020 showed the vertical bar on the wrong face of the wall. Please see page CT-01.4 attached for the updated detail.

**CALL WITH ANY QUESTIONS**

05/27/2020

Issued by:	Truc Thai	Date:	May 27, 2020
Distribution:			
Contact Information:			
	Ron Bowen - Polygon Northwest Company		
	Todd Eaton - CT Engineering		

01000: GENERAL REQUIREMENTS

THE STRUCTURAL NOTES SUPPLEMENT THE PLANS AND SPECIFICATIONS. ANY DISCREPANCY FOUND BETWEEN THE DRAWINGS, NOTES, SPECIFICATIONS, SITE CONDITIONS, AND ARCHITECTURAL PLANS SHALL BE REPORTED TO THE ARCHITECT WHO SHALL CORRECT THE DISCREPANCY IN WRITING. ANY WORK COMPLETED AFTER DISCOVERY OF THE DISCREPANCY SHALL BE DONE AT THE CONTRACTOR'S RISK. REFER TO ARCHITECTURAL PLANS FOR OPENINGS, ARCHITECTURAL TREATMENTS, AND DIMENSIONS NOT SHOWN. CONSULT MECHANICAL PLANS FOR DUCTS AND PIPES ETC. NOT SHOWN.

THE CONTRACTOR SHALL PROVIDE BRACING AND SUPPORT REQUIRED FOR TEMPORARY CONSTRUCTION LOADS AND FOR STRUCTURAL COMPONENTS AS REQUIRED DURING ERECTION. BACKFILL BEHIND WALLS SHALL NOT BE PLACED UNTIL THE WALLS ARE PROPERLY SUPPORTED.

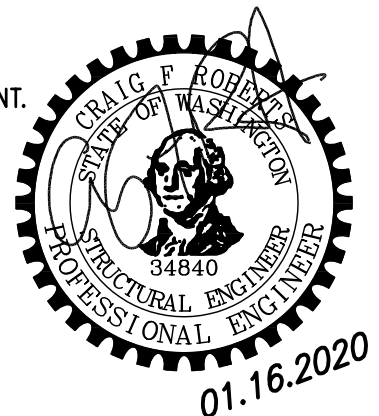
THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE EXCAVATION, SHORING, AND OTHER WORK WITH ALL UTILITIES AND ADJACENT PROPERTIES. CALL THE UTILITY LOCATE SERVICE PRIOR TO ANY WORK AT 1-800-424-5555.

1300: GEOTECHNICAL INFORMATION

EARTHWORK AND FOUNDATIONS ARE TO BE CONSISTENT WITH THE GEOTECHNICAL REPORT BY EARTH SOLUTIONS NW, LLC, DATED MARCH 11, 2014 (ES-2953.01) AND STANDARD PRACTICES. ALL FOUNDATIONS SHALL BE FOUNDED ON COMPETENT NATIVE MATERIAL OR BY OTHER MEANS AS DEFINED BY THE GEOTECHNICAL ENGINEER. CONVENTIONAL FOUNDATIONS HAVE BEEN DESIGNED WITH THE FOLLOWING PARAMETERS:

ALLOWABLE BEARING PRESSURE	3000 PSF
ACTIVE EARTH PRESSURE (YIELDING)	35 PCF
ACTIVE EARTH PRESSURE (AT-REST)	55 PCF
PASSIVE EARTH PRESSURE	350 PCF
COEFFICIENT OF FRICTION	0.40 (ULTIMATE)
SITE CLASS	D
SEISMIC SURCHARGE	6H (YIELDING)
SEISMIC SURCHARGE	14H (AT REST)
FROST DEPTH	18"

ALL FOUNDATION INSTALLATIONS SHALL BE SUBJECT TO APPROVAL OF THE LOCAL BUILDING INSPECTOR AND A GEOTECHNICAL ENGINEER PRIOR TO REINFORCING AND CONCRETE PLACEMENT.



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SCALE N/A
PLAN TYPE NOTES
PARTIAL SHEET S1.0

3000: CONCRETE

CONCRETE CONSTRUCTION SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE STANDARD ACI 318-14 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE".

CEMENT AND CONCRETE SHALL CONFORM TO IBC SECTION 1903. ADMIXTURES SHALL BE APPROVED BY THE ENGINEER OF RECORD AND SHALL COMPLY WITH ACI 318-05 SECTION 3.6. CONCRETE EXPOSED TO FREEZING AND THAWING SHALL HAVE AN AIR ENTRAINING ADMIXTURE CONFORMING TO IBC SECTION 1904.2. THE USE OF WATER SOLUBLE CHLORIDE ION SHALL NOT BE USED.

THE CONTRACTOR SHALL SUBMIT MIX DESIGNS TO ENGINEER OF RECORD FOR APPROVAL FOUR WEEKS PRIOR TO PLACING CONCRETE. MIX DESIGNS SHALL BE REVIEWED FOR CONFORMANCE TO IBC SECTIONS 1904 AND 1905.

CONCRETE MIX DESIGNS SHALL MEET THE FOLLOWING REQUIREMENTS:

28 DAY STRENGTH f _c (PSI)	MAX. W/C RATIO	MAX. SLUMP (INCHES)	AIR ENTRAINMENT (PERCENT)	SPECIAL INSPECTION REQUIRED	LOCATION AND APPLICATION
3000	0.45	4±1	0±1	YES	FOOTINGS
3000	0.45	4±1	5±1	YES	FOUNDATION WALLS
3000	0.45	4±1	5±1	YES	SLAB ON GRADE, PATIOS
3000	0.45	4±1	5±1	YES	CURBS, WALKS, DRIVEWAYS
2500	0.45	5±1	0±1	YES	ALL OTHER CONCRETE

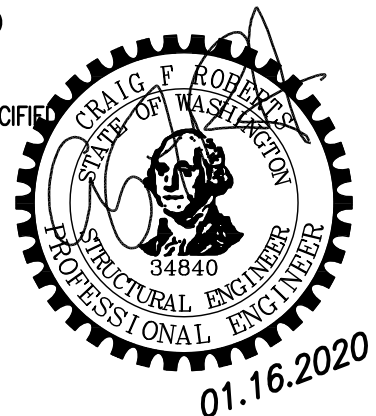
ONE COMPRESSION TEST MINIMUM SHALL BE COMPILED FOR EVERY 150 CUBIC YARDS OR 5000 SQUARE FEET OF SURFACE AREA FOR EACH MIX DESIGN PLACED EACH DAY. A TEST SHALL BE THE AVERAGE STRENGTH OF TWO CYLINDERS MADE FROM THE SAME SAMPLE AND TESTED AT THE SPECIFIED AGE. ADDITIONAL CYLINDERS MAY BE MADE FOR INFORMATION REGARDING POST TENSIONING, FORM REMOVAL, STRENGTH DEVELOPMENT, OR OTHER PURPOSES. CONCRETE SHALL BE ACCEPTABLE IF:

1. NO TEST FALLS 500 PSI BELOW THE SPECIFIED STRENGTH
2. THE AVERAGE OF ALL SETS OF 3 CONSECUTIVE TESTS DOES NOT FALL BELOW THE SPECIFIED STRENGTH.

CONCRETE NOT MEETING THE ABOVE CRITERIA SHALL BE SUBJECT TO FURTHER TESTING AT NO ADDITIONAL EXPENSE TO THE OWNER.

RESHORING, WHERE REQUIRED, SHALL CONFORM TO ACI 301 SECTION 4.6. SUBMIT PROPOSED RESHORING PLANS TO THE ENGINEER OF RECORD FOR REVIEW.

CHAMFER ALL EXPOSED CORNERS PER THE ARCHITECTURAL PLANS OR 3/4 INCH IF NOT SPECIFIED BY THE ARCHITECT.



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3100: REINFORCING STEEL

REINFORCING STEEL DETAILING, FABRICATION, AND PLACEMENT SHALL BE PER ACI 318-14.
 REINFORCING STEEL SHALL MEET THE FOLLOWING REQUIREMENTS:

ASTM A-615 DEFORMED BARS GRADE 40 ($f_y=40$ KSI) FOR #3 BARS ONLY
 ASTM A-615 DEFORMED BARS GRADE 60 ($f_y=60$ KSI) FOR #4 BARS AND LARGER
 ASTM A-706 DEFORMED BARS GRADE 60 ($f_y=60$ KSI) FOR ALL WELDABLE BARS
 ASTM A-185 SMOOTH BAR ($f_y=60$ KSI) FOR WELDED WIRE FABRIC

REINFORCING FOR SLABS ON GRADE SHALL BE 6X6 W1.4XW1.4 WELDED WIRE FABRIC OR FIBER MESH
 UNLESS NOTED OTHERWISE. PROVIDE LAP SPLICES PER THE LAP SPLICE SCHEDULE ON SHEET S6.0.
 REINFORCING STEEL AT ALL WALLS, SLABS, AND FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS
 ELSE CORNER BARS SHALL BE PROVIDED.

COVER REQUIREMENTS SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

CONCRETE CAST AGAINST EARTH

ALL BAR SIZES 3"

FORMED SURFACE EXPOSED TO EARTH OR WEATHER

#6 AND LARGER 2"

#5 AND SMALLER 1 1/2"

CONCRETE NOT EXPOSED TO EARTH OR WEATHER

WALLS AND JOISTS

#14 AND #18 BARS 1 1/2"

#11 BARS AND SMALLER 3/4"

SLABS AND JOISTS

#14 AND #18 BARS 1 1/2"

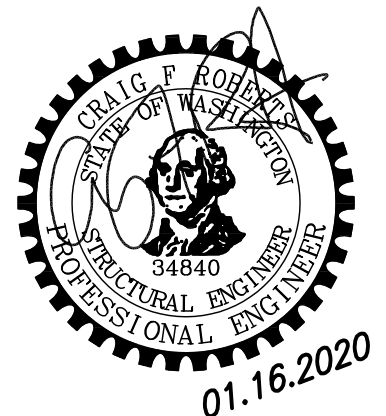
#11 BARS AND SMALLER 1"

BEAMS, COLUMNS

PRIMARY REINFORCEMENT 1 1/2"

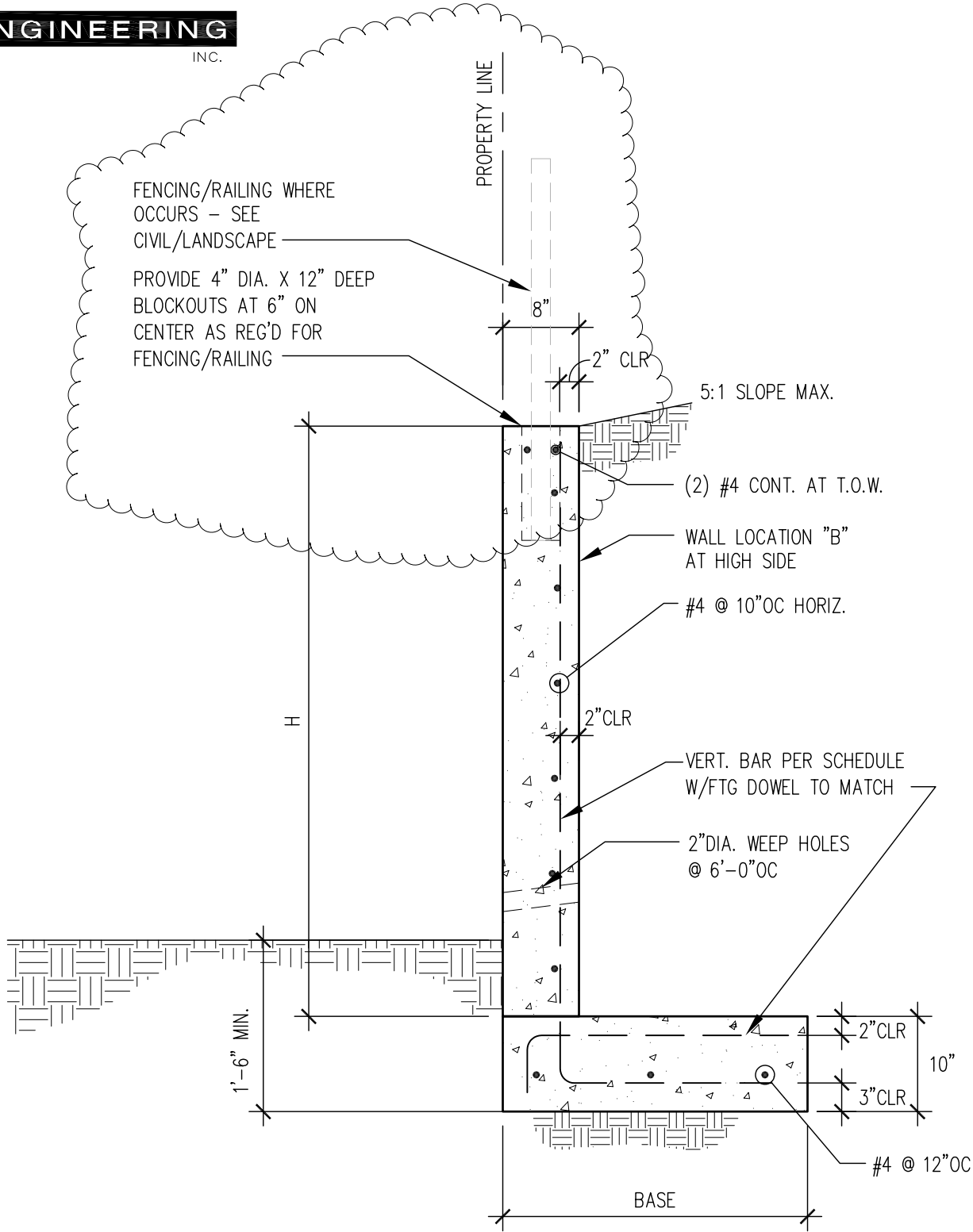
TIES, STIRRUPS, AND SPIRALS 1 1/2"

REINFORCING STEEL SHALL BE ACCURATELY PLACED AND ADEQUATELY SECURED IN PLACE PRIOR TO
 CONCRETE PLACEMENT. REINFORCING STEEL SHALL NOT BE FIELD BENT EXCEPT AS NOTED IN THE
 DESIGN DRAWINGS. WELDING OF REINFORCING STEEL SHALL NOT BE PERMITTED WITHOUT PRIOR
 APPROVAL OF THE ENGINEER OF RECORD EXCEPT AS NOTED ON THE DESIGN DRAWINGS.



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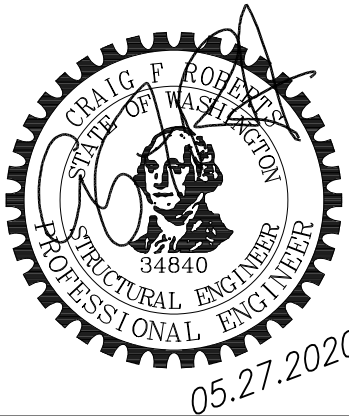


RETAINING WALL DETAIL

FOOTING SCHEDULE

H	BASE	VERT. BAR
3'-0"	1'-8"	#4 @ 16"OC
4'-0"	2'-3"	#4 @ 16"OC
5'-0"	2'-9"	#4 @ 16"OC

$P_a=35$ (PCF); $P_p=350$ (PCF)
ALLOWABLE SOIL BEARING = 3000 PSF
 $f'_c=3000$ psi
COEFFICIENT OF FRICTION=0.4



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SCALE 3/4" = 1'-0"
PLAN TYPE DETAIL
PARTIAL SHEET NA